Clarion

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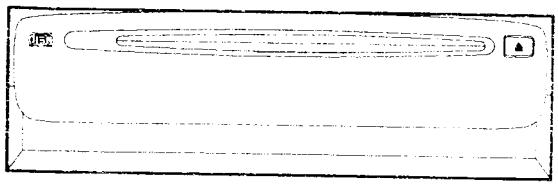
Service Manual



NISSAN Automobile Genuine
FM/MW/LW Radio CD Stereo Deck

Model **PN-2419F**
(Genuine No. 28185 AV700)
(ID No. CY100)

SPECIFICATIONS

Radio section

Tuning system:	PLL frequency synthesizer	
Receive range:	FM	87.5MHz to 108.0MHz
	MW	531kHz to 1,602kHz
	LW	153kHz to 279kHz
Intermediate frequency:		
	FM	10.7MHz
	MW	450kHz
	LW	450kHz
Quieting sensitivity:	FM	Less than 10dB μ (at 30dB S/N)
	MW	Less than 32dB μ (at 20dB S/N)
	LW	Less than 40dB μ (at 20dB S/N)
Separation:	FM	22dB+5/−7dB(1kHz)
Auto tuning stop sensitivity:		
	FM	22±8dB μ (DX)
		45±10dB μ (LO)
	MW	32±8dB μ (DX)
		52±8dB μ (LO)
	LW	32±8dB μ (DX)
		52±8dB μ (LO)

CD section

Disc:	12cm,8cm
Frequency response:	17Hz to 20kHz
S/N ratio:	More than 74dB
Separation:	More than 50dB

AUX section

TEL output level:	1.41V±3dB
NAVI output level:	1.41V±3dB(front/left)

General

Load impedance:	4Ω×4
Power output:	30W×4
Power supply voltage	DC13.2V(10.8V to 15.6V) Negative ground
Current consumption:	Less than 3mA(at back up)
Dimensions(mm):	180(W)×54(H)×169.5(D)
Weight:	1.23kg

※ Specifications and design are subject to change without notice for further improvement.

COMPONENTS

PN-2419F-A

Main unit	1

NOTE

※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.

※ This unit is used the special adjustment jig for measuring

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as re-

modeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur.
   If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
8. Cautions in checking that the optical pickup lights up.
   The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
9. Cautions in handling the optical pickup
   The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode
   The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

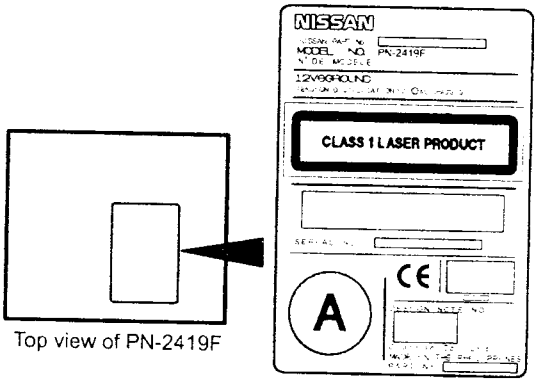
9-2. Actuator
   The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

9-3. Cleaning the lens
   Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

■CAUTIONS

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly,read this Owner's Manual carefully and keep this manual for your future reference.In case of any trouble with this player,please contact your nearest"AUTHORIZED service station". To prevent direct exposure to the laser beam,do not try to open the enclosure.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OWNER'S MANUAL MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



Top view of PN-2419F

EXPLANATION OF IC

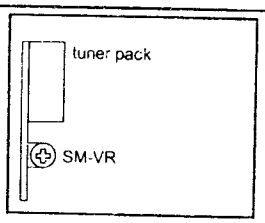
052-3164-04 MB90951AFP-G-123 System controller

1 Terminal Description for CD & Radio

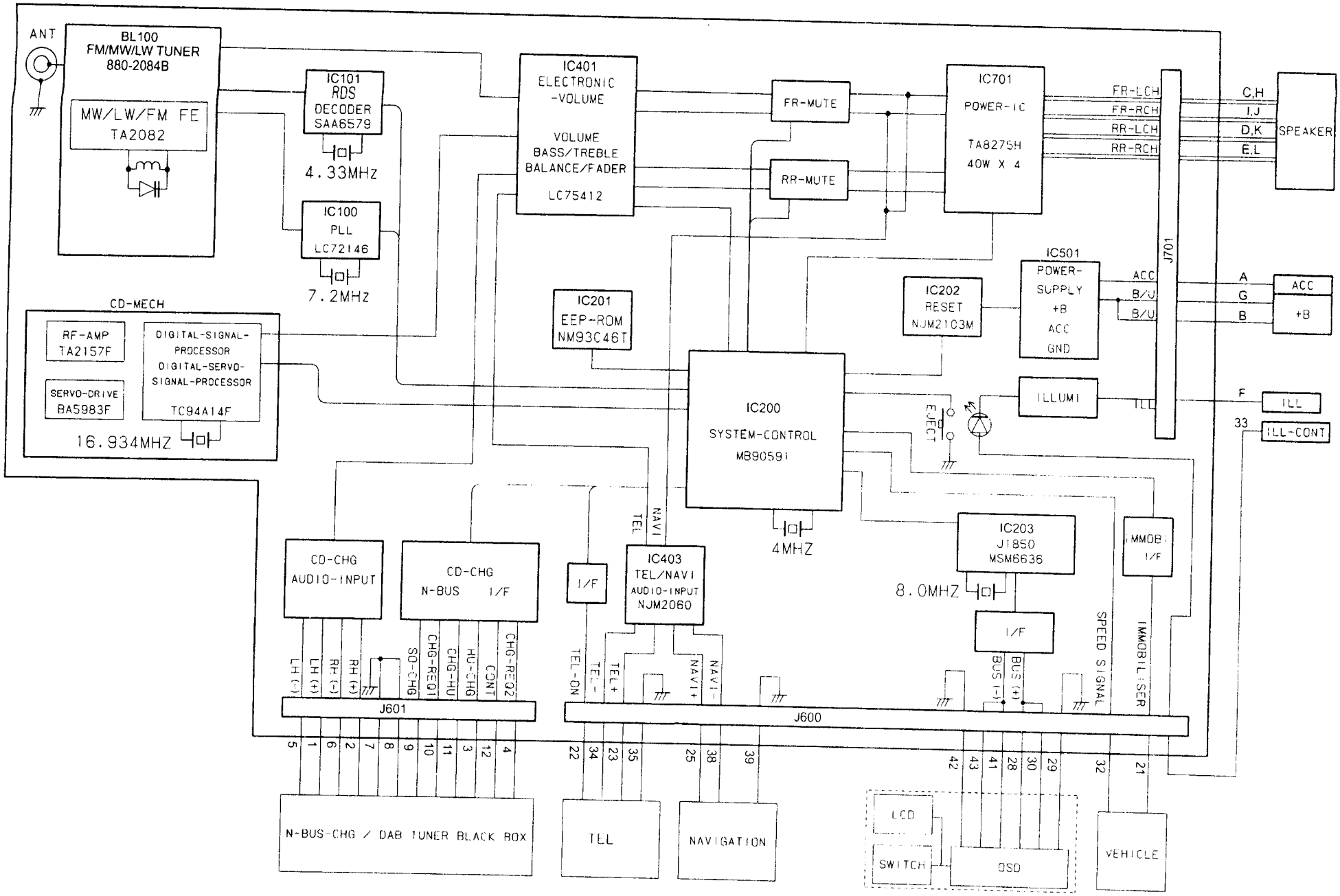
pin 1	INT 0	IN : Initial setting input
pin 2	INT 1	IN : Initial setting input
pin 3	POWER M+	O : Power motor control signal output
pin 4	POWER M-	O : Power motor control signal output
pin 5	Speed pulse	IN : The speed pulse input
pin 6	CD ON	O : CD ON flag output
pin 7	TEL ON	O : Tel-on signal output
pin 8	MAIN MOTOR	O : "H"= Tape main motor ON
pin 9	NDS SOCHG	O : The source change command output to the NDS extender
pin 10	NDS REQ 1	IN : Request signal input from NDS
pin 11	GND	- : Ground
pin 12	NDS REQ 2	IN : Request signal input from NDS
pin 13	NDS SIG CHG	O : Analog signal changing command output for NDS extender
pin 14	NDS SO	O : NDS serial data output
pin 15	NAVI MUTE	O : Mute signal output to suppress the noise signal at Navigation sound interrupting
pin 16	NDS SI	IN : NDS serial data input
pin 17	IMOBI SI	IN : Serial data input
pin 18	AMP ON	O : Audio power amplifier ON signal output
pin 19	IMOBI SO	O : Serial data output
pin 20	REAR MUTE	O : Muting signal for the rear
pin 21	FRONT MUTE	O : Muting signal for the front
pin 22	VOL CLOCK	O : The clock pulse output to the electric volume IC
pin 23	VDD	- : Positive supply voltage
pin 24	VOL CE	O : Chip enable signal output to the volume IC
pin 25	VOL SO	O : The serial data output to the electric volume IC
pin 26	AUX REQ	- : AUX request signal
pin 27	CAPA	- : Capacitor connection
pin 28	AUX ON	- : AUX ON flag
pin 29	COMBI ON	O : Combi ON flag output
pin 30	PLL DI	IN : Serial data input from the PLL IC
pin 31	PLL CLK	O : Clock pulse output to the PLL IC
pin 32	PLL DO	O : Serial data output to the PLL IC
pin 33	PLL CE	O : Chip enable signal output to the PLL IC
pin 34	A VCC	- : Positive supply voltage for the internal analog section
pin 35	A Vref+	IN : The reference voltage
pin 36	A Vref-	IN : The reference voltage
pin 37	VSS	- : Negative supply voltage
pin 38	S METER AM	IN : The S meter signal input for AM
pin 39	S METER FM	IN : The S meter signal input for FM
pin 40	NOISE IN	IN : Input terminal of A/D converter to detect the Noise of FM
pin 41	NU	O : Not in use
pin 42	VSS	- : Negative supply voltage
pin 43	AM SD	IN : AM station detect signal input
pin 44	FM SD	IN : FM station detect signal input
pin 45	IF MUTE	O : IF muting signal output
pin 46	SD S UP	O : SD-speed-up signal output
pin 47	NOISE OFF	O : "H"= Discharge the noise capacitor
pin 48	RDS DATA	IN : RDS serial data input
pin 49	NE	- : No explanation
pin 50	NE	- : No explanation
pin 51	NE	- : No explanation
pin 52	NE	- : No explanation
pin 53	D VSS	- : Digital ground
pin 54	ACC OFF MUT	O : The muting signal output
pin 55	8V DET	IN : 8V detection
pin 56	BUS 0	I/O : CD IC Data input / output
pin 57	BUS 1	I/O : CD IC Data input / output
pin 58	D VCC	- : Positive supply voltage
pin 59	BUS 2	I/O : CD IC Data input / output
pin 60	BUS 3	I/O : CD IC Data input / output
pin 61	BUS CLK	O : The clock pulse output
pin 62	BUS CE	O : The chip enable signal output
pin 63	D VSS	- : Digital ground
pin 64	BUS RES	O : The reset signal output
pin 65	BUS SBSY	IN : The SBSY signal output
pin 66	SS TOP	O : No explanation
pin 67	CHU SW	IN : CD disc chucking signal input
pin 68	D VCC	- : Positive supply voltage
pin 69	TR B	IN : Photo sensor signal input from the CD mechanism
pin 70	TR A	IN : Photo sensor signal input from the CD mechanism
pin 71	LOAD CONT	I/O : No explanation
pin 72	LOAD MUTE	O : Loading muting control output
pin 73	D VSS	- : Digital ground
pin 74	J1850 CS	O : The chip select signal output to the J1850-IC
pin 75	SYS ON	O : System ON signal output
pin 76	ACC ON	IN : ACC ON detection
pin 77	RST	IN : Reset signal input
pin 78	RDS CLK	IN : Clock pulse input from RDS decoder
pin 79	J1850 INT	IN : The read request signal input from the J1850-IC
pin 80	CD EJECT	IN : CD eject switch signal input
pin 81	VSS	- : Negative supply voltage
pin 82	X 0	I/O : X channel input/output
pin 83	X 1	- : Crystal connection
pin 84	VCC	- : Positive supply voltage
pin 85	AD 0	I/O : External address input/output
pin 86	AD 1	I/O : External address input/output
pin 87	AD 2	I/O : External address input/output
pin 88	AD 3	I/O : External address input/output
pin 89	AD 4	I/O : External address input/output
pin 90	AD 5	I/O : External address input/output
pin 91	AD 6	I/O : External address input/output
pin 92	AD 7	I/O : External address input/output
pin 93	WRITE	O : The write command output
pin 94	READ	O : The read command output
pin 95	ALE	O : Address latch
pin 96	J1850 RESET	O : The reset pulse output to the J1850-IC
pin 97	EEP DO	O : The serial data output to EEP ROM
pin 98	EEP DI	IN : The serial data input from EEP ROM
pin 99	EEP CLK	O : The clock pulse output to EEP ROM
pin100	EEP CE	O : The chip enable signal output to the EEP ROM

ADJUSTMENT

Item	Procedure	Measuring instrument
FM S-meter	1. Input the 98.1MHz/30dB(1kHz,30% MOD) signal. 2. Connect a digital tester to TP101 and adjust SM-VR(tuner pack) so that the reading of digital tester is 2.8V±0.1V.	SSG Digital tester

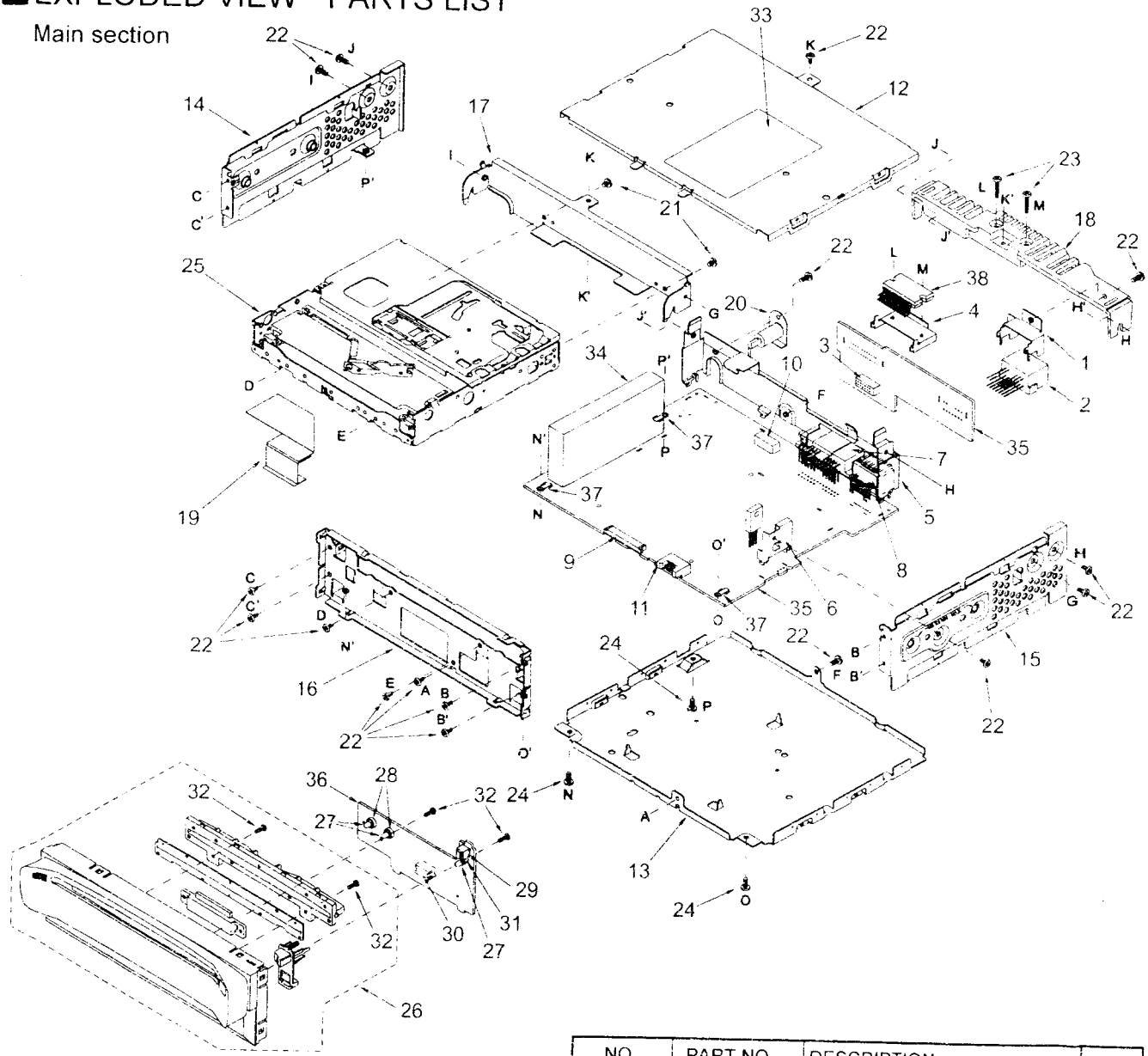


BLOCK DIAGRAM



■EXPLODED VIEW • PARTS LIST

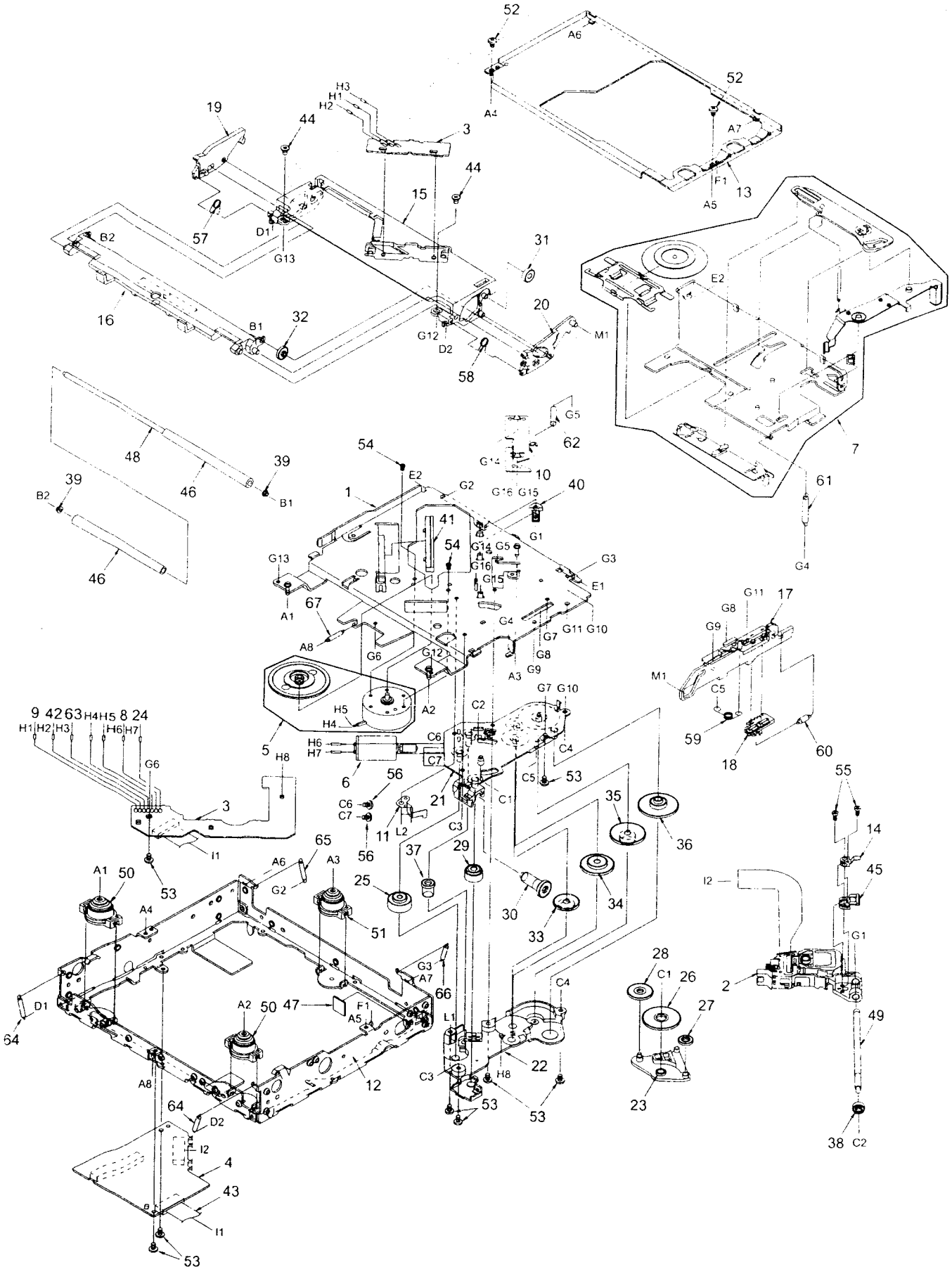
Main section



NO.	PART NO.	DESCRIPTION	Q'TY
1	331-3179-00	OUTLET HOLDER	1
2	074-1284-10	OUTLET SOCKET(12P)	1
3	074-0898-16	OUTLET SOCKET(16P)	1
4	331-2277-20	IC HOLDER	1
5	307-0676-20	REAR PLATE	1
6	331-3178-00	TR HOLDER	1
7	074-1212-02	OUTLET SOCKET(24P)	1
8	074-1013-00	OUTLET SOCKET(12P)	1
9	074-1191-26	OUTLET SOCKET(26P)	1
10	076-0368-16	PLUG(16P)	1
11	076-0540-06	PLUG(6P)	1
12	310-1735-01	UPPER CASE	1
13	311-1826-01	LOWER CASE	1
14	305-0307-00	SIDE PLATE(LH)	1
15	305-0308-00	SIDE PLATE(RH)	1
16	331-3241-01	ES PLATE	1
17	331-3242-00	MECHANISM BRKT	1
18	313-1815-00	HEAT SINK	1
19	816-2564-01	FLAT WIRE	1

NO.	PART NO.	DESCRIPTION	Q'TY
20	092-0702-00	ANT RECEPTACLE	1
21	714-2603-81	MACHINE SCREW(M2.6×3)	2
22	714-2606-81	MACHINE SCREW(M2.6×6)	16
23	714-2616-81	MACHINE SCREW(M2.6×16)	2
24	716-1494-00	IT SCREW(M2.6×6)	3
25	929-0220-81	CD MECHANISM	1
26	940-7967-61	ESCUTCHEON ASSY	1
27	001-0569-05	LED	3
28	340-4401-00	LED HOLDER	2
29	013-3934-02	SWITCH	1
30	074-1151-06	OUTLET SOCKET(6P)	1
31	340-4323-02	SPACER	1
32	716-0778-00	WAVE SCREW	4
33	286-9424-16	SETPLATE	1
34	880-2084B	FM/MW/LW TUNER	1
35	039-2044-20	MAIN PWB (WITHOUT COMPONENT)	1
36	039-2053-20	SWITCH PWB (WITHOUT COMPONENT)	1
37	073-0768-90	TERMINAL	3
38	051-2042-00	IC(TA8275H)	1

CD mechanism section 929-0220-81



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0595-24	DRIVE PLATE ASSY	1
2	969-0060-30	PICK UP UNIT	1
3	039-1944-21	LED PWB (WITHOUT COMPONENT)	1
4	039-1945-20	CD PWB (WITHOUT COMPONENT)	1
5	SMA-182-100	MOTOR ASSY(SPINDLE)	1
6	SMA-183-100	MOTOR ASSY(SLED)	1
7	HBS-516-100	CLAMPER SUB ASSY	1
8	803-4906-60	VINYL COAT WIRE(ORG)	1
9	816-2566-50	LEAD WIRE(YEL)	1
10	620-1025-21	ID-LOCK PLATE	1
11	620-1026-21	SPRING PLATE	1
12	620-1027-24	LOWER CHASSIS	1
13	620-1028-21	UPPER CHASSIS	1
14	620-1029-21	SH-SPRING	1
15	621-0598-25	UPPER GUIDE	1
16	621-0599-25	ROLLER GUIDE	1
17	621-0600-25	SHIFT LEVER	1
18	621-0601-21	RACK	1
19	621-0602-22	LOCK ARM L	1
20	621-0603-23	LOCK ARM R	1
21	621-0604-21	GEAR BASE	1
22	621-0605-21	GEAR COVER	1
23	621-0606-21	IDLE CASE	1
24	805-4906-60	VINYL COAT WIRE(GRN)	1
25	621-0608-21	SECOND GEAR	1
26	621-0609-20	BASE GEAR	1
27	621-0610-20	IDLE GEAR A	1
28	621-0611-20	IDLE GEAR B	1
29	621-0612-21	ROLLER GEAR A	1
30	621-0613-20	ROLLER GEAR B	1
31	621-0614-20	ROLLER GEAR C	1
32	621-0615-21	ROLLER GEAR D	1
33	621-0616-20	POWER GEAR A	1

NO	PART NO	DESCRIPTION	Q'TY
34	621-0617-20	POWER GEAR B	1
35	621-0618-20	POWER GEAR C	1
36	621-0619-20	POWER GEAR D	1
37	621-0620-20	THREAD GEAR A	1
38	621-0621-20	THREAD GEAR B	1
39	621-0622-21	ROLLER SLEEVE	2
40	621-0623-21	LS-HOLDER	1
41	621-0624-21	GUIDE RAIL	1
42	816-2566-52	LEAD WIRE(PUR)	1
43	816-2542-01	FLAT WIRE(10P)	1
44	716-3473-00	SCREW	2
45	621-0628-21	SH-BASE	1
46	621-0629-20	LOADING ROLLER	2
47	345-8704-20	CUSHION RUBBER	1
48	622-1571-21	ROLLER SHAFT	1
49	624-0018-01	LEAD SCREW	1
50	629-0081-20	DAMPER F	2
51	629-0082-20	DAMPER R	1
52	714-2003-81	MACHINE SCREW	2
53	716-1507-00	SCREW	8
54	716-1733-00	SCREW	2
55	716-3469-00	SPECIAL SCREW	2
56	716-3446-00	SCREW	2
57	750-3465-21	ROLLER SPRING L	1
58	750-3466-20	ROLLER SPRING R	1
59	750-3467-21	SHIFT SPRING	1
60	750-3468-20	RACK SPRING	1
61	750-3469-20	CLAMPER SPRING	1
62	750-3470-20	ID-LOCK SPRING	1
63	816-2566-51	LEAD WIRE(BLU)	1
64	750-3472-21	DR-SPRING F	2
65	750-3473-20	DR-SPRING RA	1
66	750-3474-20	DR-SPRING RB	1
67	750-3475-21	DR-SPRING C	1

■ELECTRICAL PARTS LIST

Main PWB(B1) section

Note) Several different parts of the same reference number are alternative parts. One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION
BL100	880-2084B	TUNER
C101	168-8222-55	8200pF
C102	168-1042-78	16V 0.1 μF
C103	168-1222-55	1200pF
C104	182-1053-69	50V1 μF
C105	166-1011-50	100pF CH
C106	166-1011-50	100pF CH
C107	166-1011-50	100pF CH
C108	168-2232-55	0.022 μF
C109	182-4763-19	6.3V47 μF
C110	166-1501-50	15pF CH
C111	168-2212-55	220pF
C112	166-2201-50	22pF CH
C113	166-1801-50	18pF CH
C117	182-4763-19	6.3V47 μF
C118	168-2232-55	0.022 μF
C120	168-2232-55	0.022 μF
C121	182-3363-29	10V33 μF
C122	168-1042-78	16V 0.1 μF
C123	168-1022-55	1000pF
C124	168-2232-55	0.022 μF
C125	168-1022-55	1000pF
C126	168-1032-55	0.01 μF
C127	168-5612-55	560pF
C128	182-3363-29	10V33 μF
C129	166-4701-50	47pF CH
C130	168-2232-55	0.022 μF
C131	168-3312-55	330pF
C132	182-2253-69	50V2.2 μF
C133	166-5601-50	56pF CH
C134	182-3363-29	10V33 μF
C135	168-1022-55	1000pF
C136	168-1042-78	16V 0.1 μF
C137	168-3322-55	3300pF
C138	168-2232-55	0.022 μF
C140	182-2253-69	50V2.2 μF
C141	182-2253-69	50V2.2 μF
C142	168-4732-78	0.047 μF
C143	178-3342-78	0.33 μF
C144	178-3342-78	0.33 μF
C145	168-2732-55	16V 0.027 μF
C146	168-2732-55	16V 0.027 μF
C147	168-4722-55	4700pF
C148	168-4732-78	0.047 μF
C149	168-4732-78	0.047 μF
C150	168-8222-55	8200pF
C151	166-2201-50	22pF CH
C152	166-2201-50	22pF CH
C202	168-1022-55	1000pF
C203	168-1022-55	1000pF
C204	168-1022-55	1000pF
C205	168-1022-55	1000pF
C206	168-2232-55	0.022 μF
C207	166-2211-50	220pF CH
C208	166-2211-50	220pF CH
C209	168-2232-55	0.022 μF
C210	168-1042-78	16V 0.1 μF
C213	182-1073-29	10V100 μF
C214	168-1042-78	16V 0.1 μF
C216	168-1045-56	0.1 μF
C217	182-1053-69	50V1 μF
C218	166-1511-50	150pF CH
C219	168-1032-55	0.01 μF
C220	168-4712-55	470pF
C221	166-1511-50	150pF CH
C223	182-1063-39	16V10 μF
C224	168-1042-78	16V 0.1 μF
C225	042-0562-86	50V1 μF
C226	042-0562-86	50V1 μF
C401	042-0562-68	16V220 μF
C402	178-4742-78	0.47 μF
C403	168-1222-55	1200pF
C404	168-1222-55	1200pF
C405	178-4742-78	0.47 μF
C406	042-0562-86	50V1 μF
C407	042-0562-86	50V1 μF
C412	168-1042-78	16V 0.1 μF
C413	168-1042-78	16V 0.1 μF
C414	178-1052-78	1 μF
C415	178-1052-78	1 μF
C416	168-8212-55	820pF
C417	168-8212-55	820pF
C418	168-8212-55	820pF
C419	168-8212-55	820pF
C420	042-0562-67	16V10 μF
C421	042-0562-67	16V10 μF
C422	168-1832-55	0.018 μF
C423	042-0562-67	16V10 μF
C424	042-0562-67	16V10 μF
C425	042-0562-67	16V10 μF
C426	042-0562-67	16V10 μF
C427	168-1042-78	16V 0.1 μF
C429	168-1042-78	16V 0.1 μF
C433	182-1053-69	50V1 μF
C438	168-1032-55	0.01 μF
C444	166-1011-50	100pF CH
C445	166-1011-50	100pF CH
C448	166-1011-50	100pF CH
C449	166-1011-50	100pF CH
C450	183-1063-39	16V10 μF
C451	183-1063-39	16V10 μF
C452	183-1066-38	16V10 μF NP
C453	183-1066-38	16V10 μF NP
C454	168-1032-55	0.01 μF
C455	168-4732-78	0.047 μF
C456	168-4732-78	0.047 μF
C457	168-1032-55	0.01 μF
C458	182-1053-69	50V1 μF
C500	182-1063-39	16V10 μF
C501	042-0562-70	16V47 μF
C502	042-0548-52	10V220 μF
C503	042-0562-71	16V100 μF
C504	168-1042-78	16V 0.1 μF
C505	042-0562-71	16V100 μF
C510	168-1042-78	16V 0.1 μF
C511	042-0562-71	16V100 μF
C512	168-1042-78	16V 0.1 μF
C513	042-0562-64	10V100 μF
C514	182-1073-29	10V100 μF
C515	182-4763-39	16V47 μF
C516	168-1042-78	16V 0.1 μF
C517	182-1063-39	16V10 μF
C600	168-2222-55	2200pF
C601	168-2222-55	2200pF
C603	042-0562-67	16V10 μF
C604	042-0562-67	16V10 μF
C605	042-0562-67	16V10 μF
C606	042-0562-67	16V10 μF
C701	168-2222-55	2200pF
C702	168-2222-55	2200pF
C703	168-2222-55	2200pF
C704	168-2222-55	2200pF
C705	168-2222-55	2200pF
C706	182-1063-39	16V10 μF
C707	182-1053-69	50V1 μF
C708	042-0562-67	16V10 μF
C709	168-4745-79	0.47 μF
C710	182-1053-69	50V1 μF
C711	042-0571-00	16V2200 μF
C712	172-1041-15	0.1 μF
C713	168-2222-55	2200pF
C714	168-2222-55	2200pF
C715	168-2222-55	2200pF
C716	182-4743-69	50V0.47 μF
C717	172-1041-15	0.1 μF
CCT200	050-0122-53	1/16W1kΩ×4 J
CCT202	050-0122-53	1/16W1kΩ×4 J
CCT205	050-0122-53	1/16W1kΩ×4 J
CCT207	050-0122-53	1/16W1kΩ×4 J
CCT210	050-0122-53	1/16W1kΩ×4 J
D100	001-0330-90	1SS119
D100	001-0294-90	1SS133
D101	001-0330-90	1SS119
D101	001-0294-90	1SS133
D103	001-0535-90	MA729
D200	001-0422-38	MTZJ36
D201	001-0589-91	1SS145
D202	001-0589-91	1SS145
D203	001-0589-91	1SS145
D204	001-0529-44	MA8082-M
D205	001-0529-36	MA8062-H
D206	001-0330-90	1SS119
D206	001-0294-90	1SS133
D207	001-0529-36	MA8062-H
D401	001-0356-91	1SS184
D402	001-0356-91	1SS184
D500	001-0504-45	HZS9B1L
D501	001-0347-48	MA4091H
D501	001-0346-49	MTZ10JA
D503	001-0330-90	1SS119
D503	001-0294-90	1SS133
D505	001-0330-90	1SS119
D505	001-0294-90	1SS133
D507	001-0504-31	HZS6 A2L
D600	001-0529-72	MA8200-M
D601	001-0529-72	MA8200-M
D701	001-2015-00	RL253
D702	001-0626-91	1A2
D702	001-0466-90	S5688B
IC100	051-6201-90	LC72146M
IC101	051-4607-90	SAA6581T
IC102	051-0350-93	NJM4558M
IC200	052-3164-04	MB90591APF-G-123
IC201	051-9400-48	S93C46AFJ
IC201	051-1375-38	NM93C46TEM8
IC202	051-0869-58	NJM2103M
IC203	051-6604-18	MSM6636BGS-AKR1
IC401	051-5027-00	LC75412WH
IC403	051-3034-90	NJM4558V
IC500	051-1292-90	NJM4565M-D
IC501	051-1518-90	AN8005M
IC701	051-2042-00	TA8275H
J200	074-1191-26	26P
J600	074-1212-02	OUTLET SOCKET
J601	074-1013-00	12P
J701	074-1284-10	OUTLET SOCKET
J702	074-0898-16	16P
L100	010-6009-88	220 μH
L101	010-2003-04	COIL
L102	010-6009-88	220 μH
L103	010-6009-64	2.2 μH
L104	010-6009-64	2.2 μH
L105	010-6009-64	2.2 μH
L106	010-2174-86	1mH
L200	010-6009-64	2.2 μH
L701	010-8021-00	COIL
P401	076-0368-16	16P
P500	076-0540-06	6P
Q100	198-0669-00	2SK669
Q101	125-2004-92	RN1402
Q101	125-2005-91	UN2211TX
Q102	190-1298-00	2SA1298

REF No.	PART No.	DESCRIPTION
Q103	190-1162-00	2SA1162
Q104	192-2712-50	2SC2712Y,G,L
Q104	192-2412-00	2SC2412Q,R,S
Q105	125-2004-92	RN1402
Q105	125-2005-91	UN2211TX
Q106	125-0001-91	UN2111
Q106	125-0002-92	RN2402
Q200	125-9006-90	IMX1
Q201	125-2004-92	RN1402
Q201	125-2005-91	UN2211TX
Q202	125-9003-92	IMD3
Q203	125-9003-92	IMD3
Q204	125-0001-91	UN2111
Q204	125-0002-92	RN2402
Q205	125-9006-90	IMX1
Q206	125-2004-92	RN1402
Q206	125-2005-91	UN2211TX
Q207	190-1052-03	2SA1052-C-TL
Q208	192-2462-03	2SC2462-C-TL
Q209	125-2004-92	RN1402
Q209	125-2005-91	UN2211TX
Q210	191-0709-00	2SB709A-Q,R,S
Q211	125-0001-91	UN2111
Q211	125-0002-92	RN2402
Q212	192-2712-50	2SC2712Y,G,L
Q212	192-2412-00	2SC2412Q,R,S
Q213	125-2004-92	RN1402
Q213	125-2005-91	UN2211TX
Q214	125-0006-90	UN2110
Q401	125-2004-92	RN1402
Q401	125-2005-91	UN2211TX
Q402	191-0709-00	2SB709A-Q,R,S
Q406	191-0709-00	2SB709A-Q,R,S
Q407	191-0709-00	2SB709A-Q,R,S
Q408	192-2712-50	2SC2712Y,G,L
Q408	192-2412-00	2SC2412Q,R,S
Q409	191-0709-00	2SB709A-Q,R,S
Q410	191-0709-00	2SB709A-Q,R,S
Q411	192-2712-50	2SC2712Y,G,L
Q411	192-2412-00	2SC2412Q,R,S
Q502	103-2012-00	2SD2012
Q503	125-9003-92	IMD3
Q504	193-2118-00	2SD2118
Q505	190-1048-00	2SA1048
Q506	125-2004-92	RN1402
Q506	125-2005-91	UN2211TX
Q507	190-1048-00	2SA1048
Q508	125-2004-92	RN1402
Q508	125-2005-91	UN2211TX
Q510	191-1237-00	2SB1237
Q514	125-9003-92	IMD3
Q515	193-1664-00	2SD1664P,Q,R
Q701	125-2004-92	RN1402
Q701	125-2005-91	UN2211TX
R100	119-2221-15	1/16W 2.2kΩ
R101	119-1231-15	1/16W 12kΩ
R102	119-1021-15	1/16W 1kΩ
R103	119-2711-15	1/16W 270Ω
R104	119-6821-15	1/16W 6.8kΩ
R105	119-9121-15	1/16W 9.1kΩ
R108	119-1031-15	1/16W 10kΩ
R109	111-1021-98	1/4W 1kΩ
R110	119-1031-15	1/16W 10kΩ
R111	119-2221-15	1/16W 2.2kΩ
R112	119-2221-15	1/16W 2.2kΩ
R113	119-1031-15	1/16W 10kΩ
R115	119-2221-15	1/16W 2.2kΩ
R116	119-1021-15	1/16W 1kΩ
R117	119-1021-15	1/16W 1kΩ
R118	119-1031-15	1/16W 10kΩ
R119	119-1021-15	1/16W 1kΩ
R120	119-4321-15	1/16W 4.3kΩ
R122	119-3321-15	1/16W 3.3kΩ
R123	119-8201-15	1/16W 82Ω

REF No.	PART No.	DESCRIPTION
R124	119-1021-15	1/16W 1kΩ
R125	119-1041-15	1/16W 100kΩ
R126	119-1041-15	1/16W 100kΩ
R127	119-1021-15	1/16W 1kΩ
R128	119-2211-15	1/16W 220Ω
R129	119-1021-15	1/16W 1kΩ
R130	119-1021-15	1/16W 1kΩ
R131	119-2721-15	1/16W 2.7kΩ
R132	119-1031-15	1/16W 10kΩ
R134	119-1021-15	1/16W 1kΩ
R135	119-1031-15	1/16W 10kΩ
R136	119-1031-15	1/16W 10kΩ
R200	119-2231-15	1/16W 22kΩ
R201	119-5621-15	1/16W 5.6kΩ
R202	119-5621-15	1/16W 5.6kΩ
R203	119-5621-15	1/16W 5.6kΩ
R204	111-8211-98	1/4W 820Ω
R205	111-8211-98	1/4W 820Ω
R206	111-8211-98	1/4W 820Ω
R207	111-8211-98	1/4W 820Ω
R208	119-5631-15	1/16W 56kΩ
R209	119-5631-15	1/16W 56kΩ
R210	119-5631-15	1/16W 56kΩ
R211	119-4731-15	1/16W 47kΩ
R212	119-1031-15	1/16W 10kΩ
R213	119-1031-15	1/16W 10kΩ
R214	119-1031-15	1/16W 10kΩ
R215	119-5631-15	1/16W 56kΩ
R216	119-1031-15	1/16W 10kΩ
R217	119-1021-15	1/16W 1kΩ
R218	119-4791-15	1/16W 4.7Ω J
R219	119-1021-15	1/16W 1kΩ
R226	119-4731-15	1/16W 47kΩ
R227	119-1021-15	1/16W 1kΩ
R229	119-4731-15	1/16W 47kΩ
R232	119-1021-15	1/16W 1kΩ
R233	119-4731-15	1/16W 47kΩ
R234	119-4731-15	1/16W 47kΩ
R236	032-0140-50	1/16W 10kΩ 1%
R237	032-0140-05	1/16W 82kΩ ±1%
R238	032-0140-95	1/16W 20kΩ 1%
R239	119-2231-15	1/16W 22kΩ
R240	117-1001-15	1/10W 10Ω
R241	032-0140-57	1/16W 5.6kΩ 1%
R242	119-1031-15	1/16W 10kΩ
R243	119-1031-15	1/16W 10kΩ
R244	111-3321-98	1/4W 3.3kΩ
R246	119-1041-15	1/16W 100kΩ
R247	111-3321-98	1/4W 3.3kΩ
R249	119-3321-15	1/16W 3.3kΩ
R250	119-2231-15	1/16W 22kΩ
R251	119-1031-15	1/16W 10kΩ
R252	111-1001-98	1/4W 10Ω
R253	117-1001-15	1/10W 10Ω
R254	119-2231-15	1/16W 22kΩ
R255	119-4731-15	1/16W 47kΩ
R256	119-4731-15	1/16W 47kΩ
R257	119-3331-15	1/16W 33kΩ
R258	119-1241-15	1/16W 120kΩ
R259	119-1031-15	1/16W 10kΩ
R260	119-1031-15	1/16W 10kΩ
R261	119-2241-15	1/16W 220kΩ
R262	117-6801-15	1/10W 68Ω
R263	119-4731-15	1/16W 47kΩ
R264	119-6821-15	1/16W 6.8kΩ
R265	119-1031-15	1/16W 10kΩ
R269	119-0000-05	1/16W 0Ω JW
R270	119-0000-05	1/16W 0Ω JW
R271	119-1031-15	1/16W 10kΩ
R273	119-4731-15	1/16W 47kΩ
R274	119-4731-15	1/16W 47kΩ
R275	111-1001-98	1/4W 10Ω
R277	119-1031-15	1/16W 10kΩ
R278	119-1031-15	1/16W 10kΩ

REF No.	PART No.	DESCRIPTION
R279	119-4731-15	1/16W 47kΩ
R280	119-1041-15	1/16W 100kΩ
R283	119-1041-15	1/16W 100kΩ
R284	119-4731-15	1/16W 47kΩ
R286	119-1021-15	1/16W 1kΩ
R401	119-1821-15	1/16W 1.8kΩ
R402	119-3931-15	1/16W 39kΩ
R403	119-3931-15	1/16W 39kΩ
R404	119-1821-15	1/16W 1.8kΩ
R410	119-1021-15	1/16W 1kΩ
R411	119-1021-15	1/16W 1kΩ
R418	119-1031-15	1/16W 10kΩ
R421	119-2231-15	1/16W 22kΩ
R422	032-0140-89	1/4W 47kΩ 1%
R423	032-0140-89	1/4W 47kΩ 1%
R424	032-0140-89	1/4W 47kΩ 1%
R425	032-0140-89	1/4W 47kΩ 1%
R426	032-0140-57	1/16W 5.6kΩ 1%
R427	032-0140-57	1/16W 5.6kΩ 1%
R428	032-0140-88	1/16W 100kΩ 1%
R429	032-0140-88	1/16W 100kΩ 1%
R434	117-3011-15	1/10W 300Ω
R435	117-3011-15	1/10W 300Ω
R436	119-2221-15	1/16W 2.2kΩ
R437	119-2221-15	1/16W 2.2kΩ
R438	119-2221-15	1/16W 2.2kΩ
R439	119-2221-15	1/16W 2.2kΩ
R440	119-1031-15	1/16W 10kΩ
R441	119-1031-15	1/16W 10kΩ
R442	119-1041-15	1/16W 100kΩ
R443	119-1031-15	1/16W 10kΩ
R445	119-1241-15	1/16W 120kΩ
R447	119-2231-15	1/16W 22kΩ
R448	119-2231-15	1/16W 22kΩ
R449	119-1021-15	1/16W 1kΩ
R450	119-1021-15	1/16W 1kΩ
R451	119-2231-15	1/16W 22kΩ
R452	119-2231-15	1/16W 22kΩ
R453	119-4731-15	1/16W 47kΩ
R454	119-1021-15	1/16W 1kΩ
R455	119-1031-15	1/16W 10kΩ
R456	119-4731-15	1/16W 47kΩ
R457	119-4731-15	1/16W 47kΩ
R458	119-4731-15	1/16W 47kΩ
R459	119-1031-15	1/16W 10kΩ
R472	119-1021-15	1/16W 1kΩ
R474	119-1221-15	1/16W 1.2kΩ
R476	119-1221-15	1/16W 1.2kΩ
R502	111-3311-98	1/4W 330Ω
R503	119-4731-15	1/16W 47kΩ
R504	119-4731-15	1/16W 47kΩ
R505	111-3311-98	1/4W 330Ω
R506	119-1031-15	1/16W 10kΩ
R507	119-1021-15	1/16W 1kΩ
R508	119-2231-15	1/16W 22kΩ
R509	119-3321-15	1/16W 3.3kΩ
R510	119-1031-15	1/16W 10kΩ
R513	111-1001-98	1/4W 10Ω
R514	111-4701-98	1/4W 47Ω
R522	119-2211-15	1/16W 220Ω
R524	119-1231-15	1/16W 12kΩ
R525	111-1221-98	1/4W 1.2kΩ
R600	117-3011-15	1/10W 300Ω
R601	117-3011-15	1/10W 300Ω
R602	032-0106-64	1/10W 56kΩ .5%
R603	032-0106-64	1/10W 56kΩ .5%
R604	032-0106-64	1/10W 56kΩ .5%
R605	032-0106-64	1/10W 56kΩ .5%
R701	111-2201-98	1/4W 22Ω
R702	119-1031-15	1/16W 10kΩ
R703	119-2221-15	1/16W 2.2kΩ
R704	111-4721-98	1/4W 4.7kΩ
R705	111-1531-98	1/4W 15kΩ
SUP100	060-0122-20	DSP-141N-S B

REF No.	PART No.	DESCRIPTION
TM101	073-0768-90	TERMIMAL
TM102	073-0768-90	TERMIMAL
TM501	073-0768-90	TERMIMAL

REF No.	PART No.	DESCRIPTION
X100	061-1066-80	7.2MHz
X101	061-3013-90	4.332MHz
X200	060-1530-90	XSTCR4M00G55-R0

REF No.	PART No	DESCRIPTION
X201	060-1025-90	8.0MHz

Switch PWB(B2) section

REF No.	PART No.	DESCRIPTION
D701	001-0569-05	MAY3371X-M
D702	001-0569-05	MAY3371X-M

REF No.	PART No.	DESCRIPTION
D703	001-0569-05	MAY3371X-M
J701	074-1151-06	6P

REF No.	PART No.	DESCRIPTION
R701	111-6811-91	1/4WS 680Ω
S701	013-3934-02	SKPCAH

CD PWB(B3) section:CD mechanism

REF No.	PART No.	DESCRIPTION
C101	168-1042-78	0.1 μF
C102	045-4701-50	47pF
C103	046-4722-58	4700pF
C104	168-1042-78	0.1 μF
C105	046-1532-78	0.015 μF
C106	046-1032-78	0.01 μF
C107	046-1032-78	0.01 μF
C108	046-4722-58	4700pF
C109	046-1522-58	1500pF
C110	046-3332-78	0.033 μF
C111	168-1042-78	0.1 μF
C112	046-3332-78	0.033 μF
C113	168-1042-78	0.1 μF
C114	168-1042-78	0.1 μF
C115	046-4712-58	470pF
C116	046-4712-58	470pF
C117	043-0533-50	0.047 μF
C118	043-0533-50	0.047 μF
C119	045-2701-50	27pF
C120	045-1801-50	18pF
C121	163-1063-35	16V10 μF
C122	178-1052-78	1 μF
C123	046-1032-78	0.01 μF
C124	163-1073-05	4V100 μF
C125	168-1042-78	0.1 μF
C126	168-1042-78	0.1 μF
C129	178-1052-78	1 μF
C201	163-3363-05	4V33 μF
C202	168-1042-78	0.1 μF
C203	178-1052-78	1 μF
C204	163-1073-05	4V100 μF
C205	163-3363-05	4V33 μF
C206	168-1042-78	0.1 μF

REF No.	PART No.	DESCRIPTION
C207	043-0533-50	0.047 μF
C208	046-6822-58	6800pF
C209	168-1042-78	0.1 μF
C210	043-0533-50	0.047 μF
C211	168-1042-78	0.1 μF
C212	168-1042-78	0.1 μF
C213	045-5096-50	5pF
C214	045-5601-50	56pF
C215	043-0533-50	0.047 μF
C216	178-1052-78	1 μF
C217	045-1011-50	100pF
C301	163-1073-35	16V100 μF
C302	168-1042-78	0.1 μF
C303	043-0533-50	0.047 μF
D201	001-0516-90	MA111
IC101	051-6376-00	TC94A14FA
IC102	051-3279-90	BA033LBSG
IC201	051-5710-90	TA2157F
IC301	051-6049-08	BA5983FP-E2
J101	074-1228-76	26P
J201	074-1138-65	15P
J301	074-1138-60	10P
L101	010-2285-57	BLM21B102SPT
L102	010-2285-57	BLM21B102SPT
L103	010-2285-57	BLM21B102SPT
L104	010-2285-57	BLM21B102SPT
L105	010-2285-57	BLM21B102SPT
L401	010-3050-93	10 μH
Q201	131-1188-50	2SB1188
R102	033-5621-15	1/16W 5.6kΩ
R104	033-4731-15	1/16W 47kΩ
R105	033-1041-15	1/16W 100kΩ
R108	033-1531-15	1/16W 15kΩ

REF No.	PART No.	DESCRIPTION
R109	033-1031-15	1/16W 10kΩ
R110	033-1051-15	1/16W 1MΩ
R111	033-3321-15	1/16W 3.3kΩ
R114	033-2211-15	1/16W 220Ω
R115	033-2211-15	1/16W 220Ω
R116	033-1031-15	1/16W 10kΩ
R117	033-1021-15	1/16W 1kΩ
R131	033-4711-15	1/16W 470Ω
R132	033-2211-15	1/16W 220Ω
R201	117-2201-15	1/10W 22Ω
R202	117-2201-15	1/10W 22Ω
R203	033-1041-15	1/16W 100kΩ
R204	033-1041-15	1/16W 100kΩ
R205	033-1041-15	1/16W 100kΩ
R206	033-1041-15	1/16W 100kΩ
R207	033-1041-15	1/16W 100kΩ
R208	033-8231-15	1/16W 82kΩ
R209	033-6811-15	1/16W 680Ω
R210	033-6831-15	1/16W 68kΩ
R211	033-1831-15	1/16W 18kΩ
R212	033-2721-15	1/16W 2.7kΩ
R213	033-1011-15	1/16W 100Ω
R214	033-1021-15	1/16W 1kΩ
R215	033-1031-15	1/16W 10kΩ
R217	033-1041-15	1/16W 100kΩ
R218	033-2211-15	1/16W 220Ω
R301	117-6811-15	1/16W 680Ω
R304	033-3921-15	1/16W 3.9kΩ
R305	033-3921-15	1/16W 3.9kΩ
R306	033-1041-15	1/16W 100kΩ
R307	033-2211-15	1/16W 220Ω
X102	060-1528-90	16.934M

ED PWB(B4) section:CD mechanism

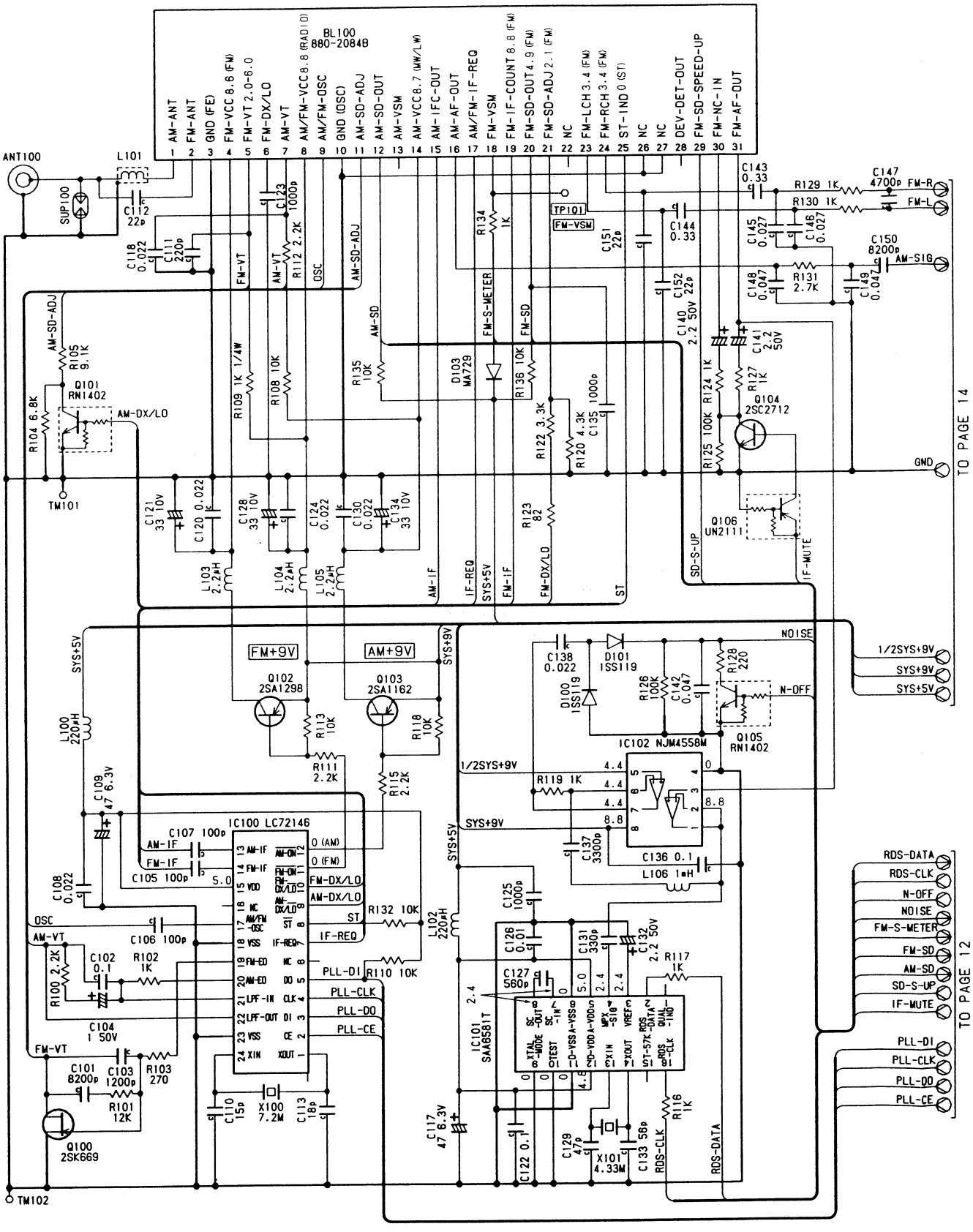
EF No.	PART No.	DESCRIPTION
01	001-7058-90	AN1105W-RR
02	001-7058-90	AN1105W-RR
1	074-1138-60	10P

REF No.	PART No.	DESCRIPTION
Q1	060-4015-90	PS1192H
Q2	060-4015-90	PS1192H
S1	013-7414-50	CHUCKING

REF No.	PART No.	DESCRIPTION
S2	013-7413-50	LIMIT

■ CIRCUIT DIAGRAM

Main PWB(B1) section 1/4



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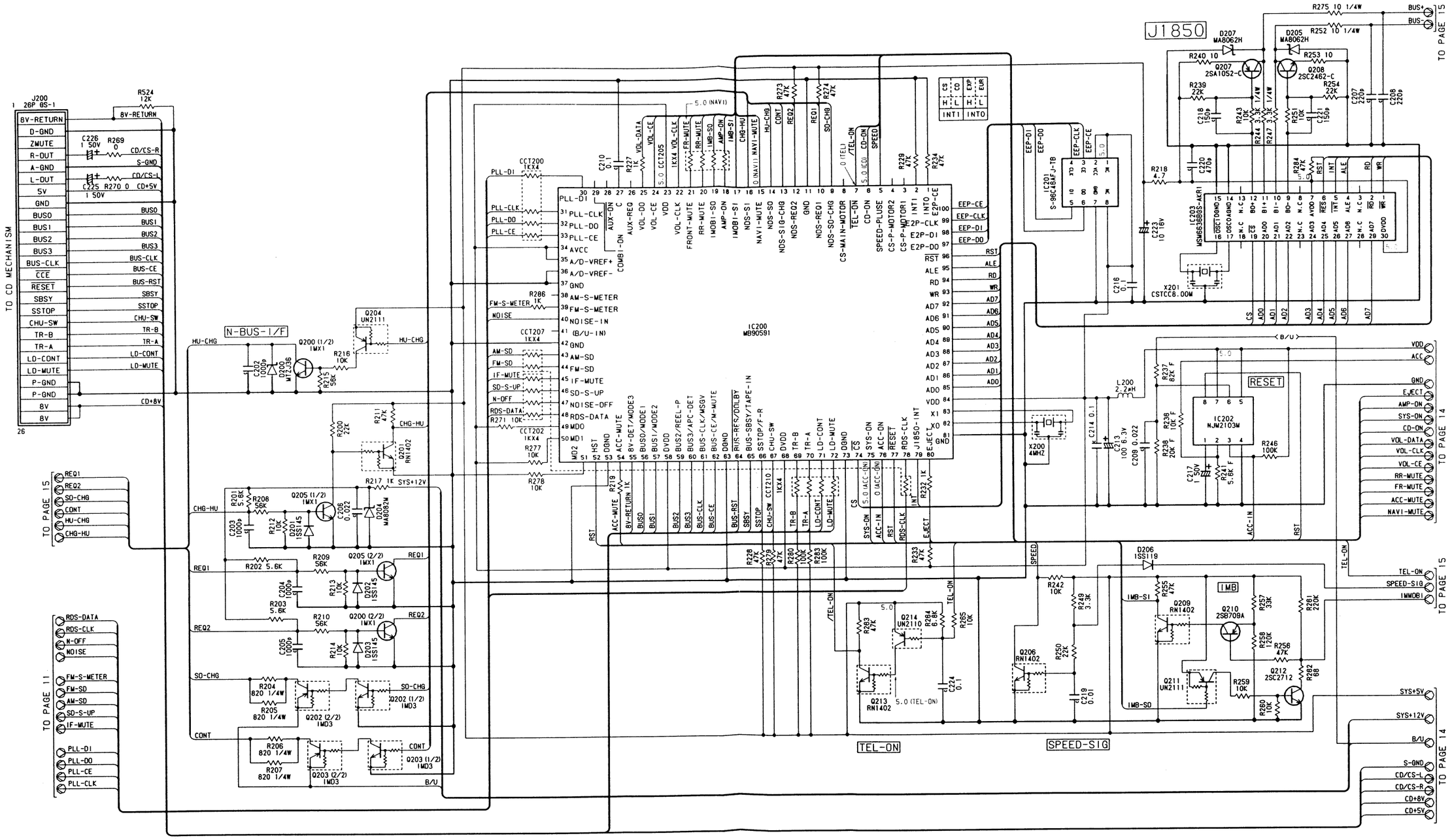
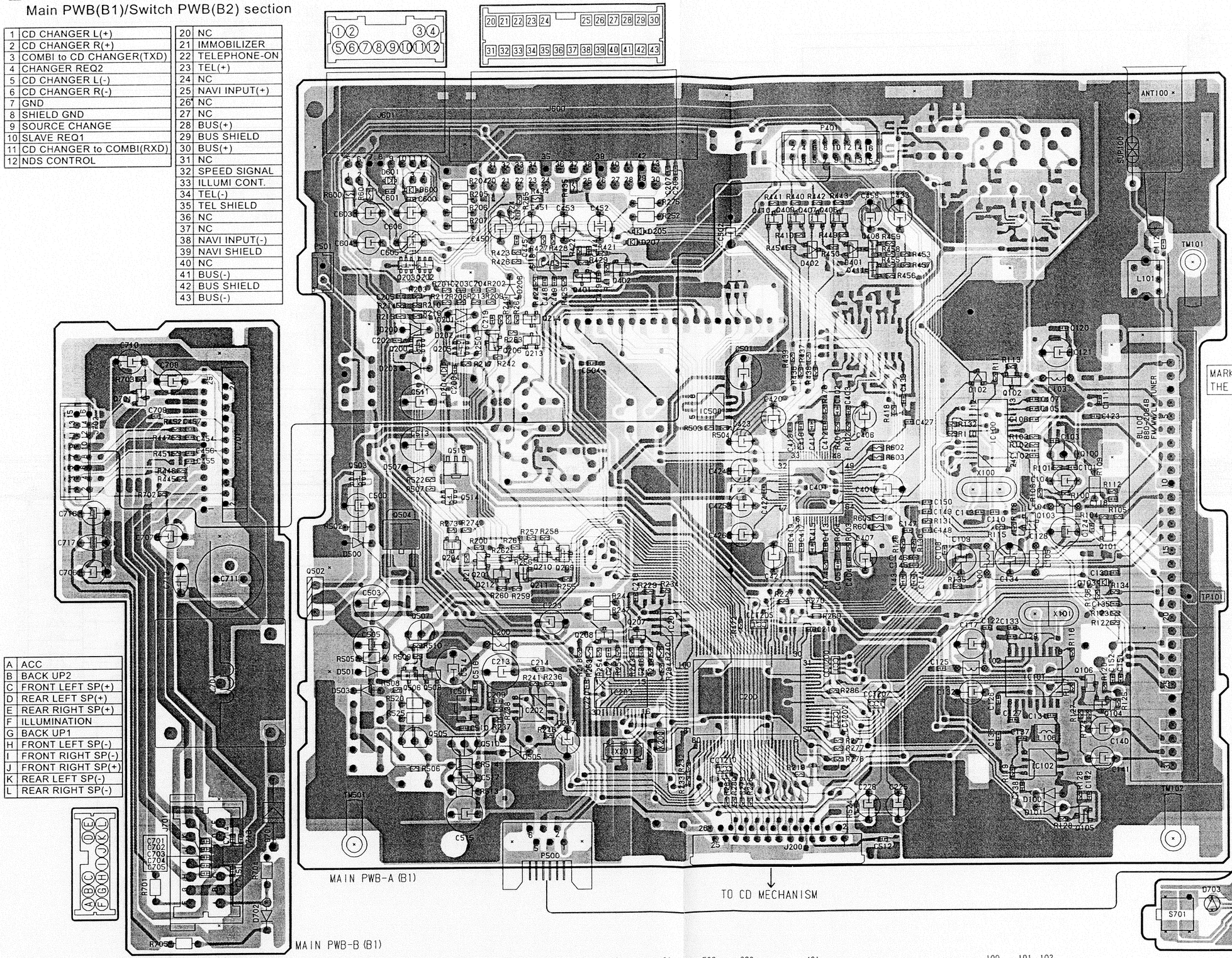

J200
26P GS-1
TO CD MECHANISM
8V-RETURN
D-GND
ZMUTE
R-OUT
A-GND
L-OUT
5V
GND
BUS0
BUS1
BUS2
BUS3
BUS-CLK
CCE
RESET
SBSY
SSTOP
CHU-SW
TR-B
TR-A
LD-CONT
LD-MUTE
P-GND
P-GND
8V
8V
CD+8V
R524 12K
C226 1 50V
R269 0
CD/CS-R
S-GND
CD/CS-L
C225 1 50V
R270 0
CD+5V
N-BUS-I/F
HU-CHG
Q200 (1/2) IMX1
C202 1000p
D200 MTZJ36
R216 10K
R215 56K
Q204 UN2111
R200 22K
R211 47K
Q201 RN1402
CHG-HU
R217 1K
SYS+12V
Q205 (1/2) IMX1
R201 5.6K
R208 56K
C203 1000p
R212 10K
D201 1SS145
C206 0.022
D204 MA8082W
REQ1
R202 5.6K
R209 56K
Q205 (2/2) IMX1
C204 1000p
R213 10K
D202 1SS145
REQ2
R203 5.6K
R210 56K
Q200 (2/2) IMX1
C205 1000p
R214 10K
D203 1SS145
SO-CHG
R204 820 1/4W
R205 820 1/4W
Q202 (2/2) IMD3
Q202 (1/2) IMD3
CONT
R206 820 1/4W
R207 820 1/4W
Q203 (2/2) IMD3
Q203 (1/2) IMD3
B/U
TO PAGE 15
REQ1
REQ2
SO-CHG
CONT
HU-CHG
CHG-HU
TO PAGE 11
RDS-DATA
RDS-CLK
N-OFF
NOISE
FM-S-METER
FM-SD
AM-SD
SD-S-UP
IF-MUTE
PLL-DI
PLL-DO
PLL-CE
PLL-CLK
CCT200 1KX4
CCT207 1KX4
CCT202 1KX4
CCT205 1KX4
IC200 MB90591
C210 0.1
R227 1K
R286 1K
R277 10K
R278 10K
R271 10K
5.0 (NAVI)
0 (NAVI)
0 (TEL)
5.0 (TEL)
R273 47K
R274 47K
R229 47K
R234 47K
R219 1K
R228 47K
R279 47K
R280 100K
R281 100K
R233 47K
R232 1K
CS
H L INT1
H L INT0
EXP
EXT
EEP-DI
EEP-DO
EEP-CLK
EEP-CE
IC201 S-98C46AFJ-TB
R218 4.7
C223 10 16V
C216 0.1
X201 CSTCC8.00M
IC203 MSM6636BBS-AKR1
R275 10 1/4W
R252 10 1/4W
R253 10
R254 22K
R239 22K
C207 220p
C208 220p
C218 150p
C221 150p
R243 10K
R251 10K
R244 3.3K 1/4W
R247 3.3K 1/4W
R284 47K
C270 4700p
D207 MA8062H
D205 MA8062H
Q207 2SA1052-C
Q208 2SC2462-C
J1850
TO PAGE 15
L200 2.2mH
X200 4MHZ
C214 0.1
C213 100 6.3V
C209 0.022
IC202 NJM2103M
RESET
R237 82K F
R238 18K F
R236 26K F
R246 100K
C217 1 50V
R241 5.6K F
R242 10K
R249 3.3K
R250 22K
C219 0.01
Q206 RN1402
D206 1SS119
IMB
Q209 RN1402
Q210 2SB709A
R257 33K
R258 120K
R256 47K
R281 220K
Q211 UN2111
R259 10K
Q212 2SC2712
R282 68
R260 10K
R235 47K
IMB-SI
IMB-SO
Q214 UN2110
R284 6.8K
R285 10K
R283 47K
Q213 RN1402
C224 0.1
/TEL-ON
TEL-ON
SPEED
SPEED-SIG
TEL-ON
B/U
VDD
ACC
GND
EJECT
AMP-ON
SYS-ON
CD-ON
VOL-DATA
VOL-CLK
VOL-CE
RR-MUTE
FR-MUTE
ACC-MUTE
NAVI-MUTE
TEL-ON
SPEED-SIG
IMMOBI
SYS+5V
SYS+12V
B/U
S-GND
CD/CS-L
CD/CS-R
CD+8V
CD+5V
TO PAGE 14

PRINTED WIRING BOARD

Main PWB(B1)/Switch PWB(B2) section

1	CD CHANGER L(+)
2	CD CHANGER R(+)
3	COMBI to CD CHANGER(TXD)
4	CHANGER REQ2
5	CD CHANGER L(-)
6	CD CHANGER R(-)
7	GND
8	SHIELD GND
9	SOURCE CHANGE
10	SLAVE REQ1
11	CD CHANGER to COMBI(RXD)
12	NDS CONTROL

20	NC
21	IMMOBILIZER
22	TELEPHONE-ON
23	TEL(+)
24	NC
25	NAVI INPUT(+)
26	NC
27	NC
28	BUS(+)
29	BUS SHIELD
30	BUS(+)
31	NC
32	SPEED SIGNAL
33	ILLUMI CONT.
34	TEL(-)
35	TEL SHIELD
36	NC
37	NC
38	NAVI INPUT(-)
39	NAVI SHIELD
40	NC
41	BUS(-)
42	BUS SHIELD
43	BUS(-)



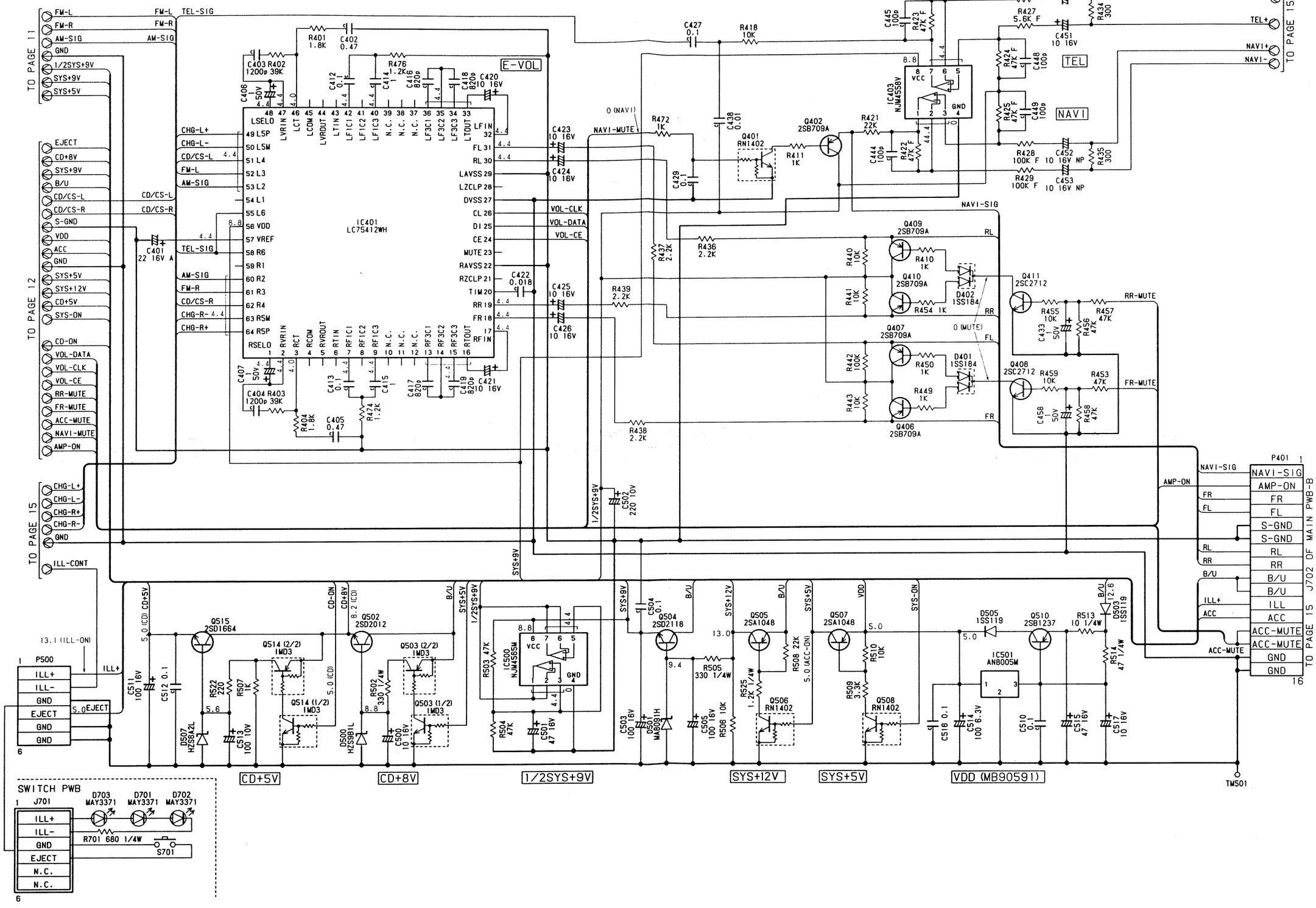
MARKS ● AND MARKS GND ARE ON THE GROUND OF THE DIP LAYER.

A	ACC
B	BACK UP2
C	FRONT LEFT SP(+)
D	REAR LEFT SP(+)
E	REAR RIGHT SP(+)
F	ILLUMINATION
G	BACK UP1
H	FRONT LEFT SP(-)
I	FRONT RIGHT SP(-)
J	FRONT RIGHT SP(+)
K	REAR LEFT SP(-)
L	REAR RIGHT SP(-)

| | | |

■ CIRCUIT DIAGRAM

Main PWB(B1) section 3/4



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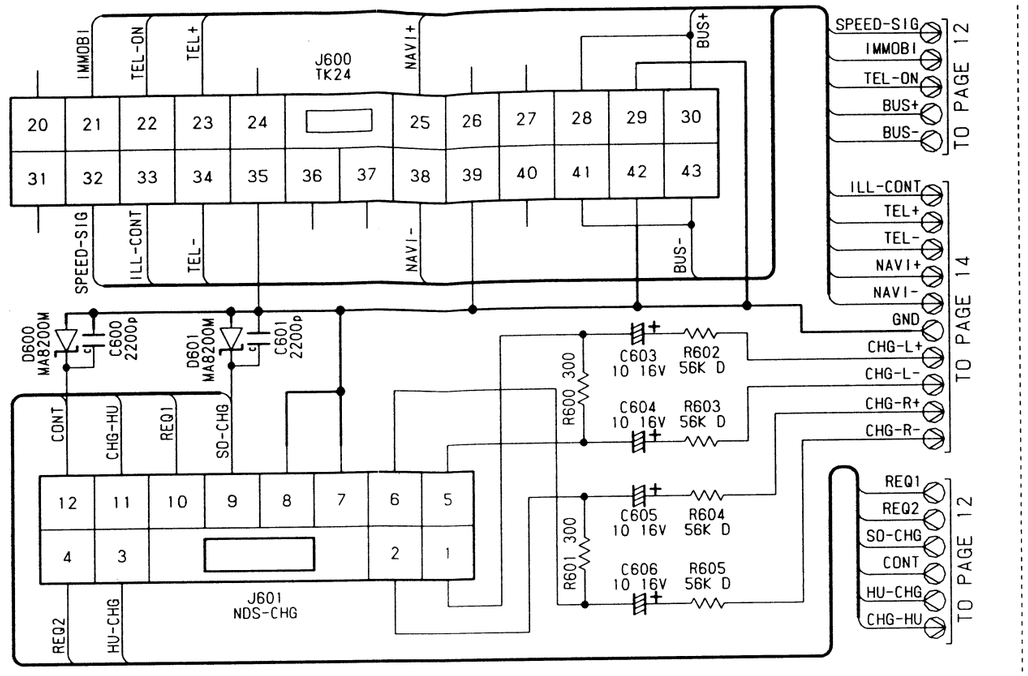
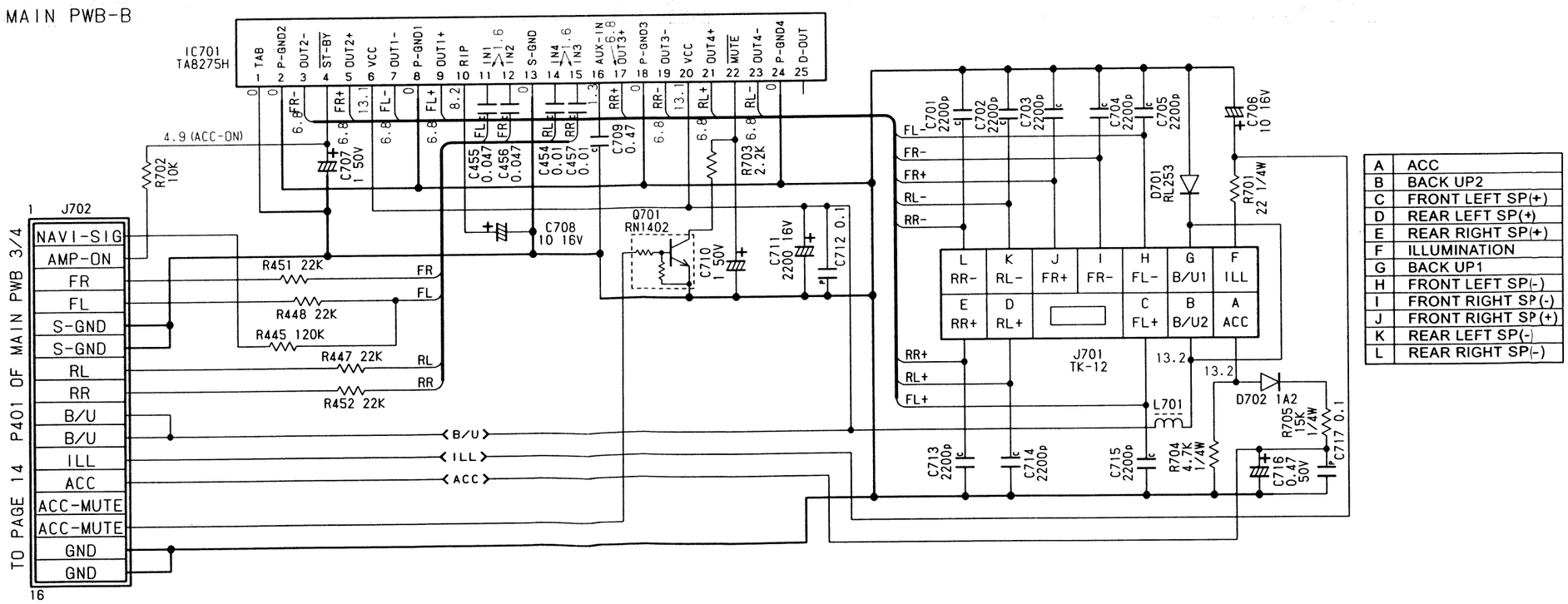
Main PWB(B1) section 4/4

20	NC
21	IMMOBILIZER
22	TELEPHONE-ON
23	TEL(+)
24	NC
25	NAVI INPUT(+)
26	NC
27	NC
28	BUS(+)
29	BUS SHIELD
30	BUS(+)
31	NC
32	SPEED SIGNAL
33	ILLUMI CONT.
34	TEL(-)
35	TEL SHIELD
36	NC
37	NC
38	NAVI INPUT(-)
39	NAVI SHIELD
40	NC
41	BUS(-)
42	BUS SHIELD
43	BUS(-)

1	CD CHANGER L(+)
2	CD CHANGER R(+)
3	COMBI to CD CHANGER(TXD)
4	CHANGER REQ2
5	CD CHANGER L(-)
6	CD CHANGER R(-)
7	GND
8	SHIELD GND
9	SOURCE CHANGE
10	SLAVE REQ1
11	CD CHANGER to COMBI(RXD)
12	NDS CONTROL

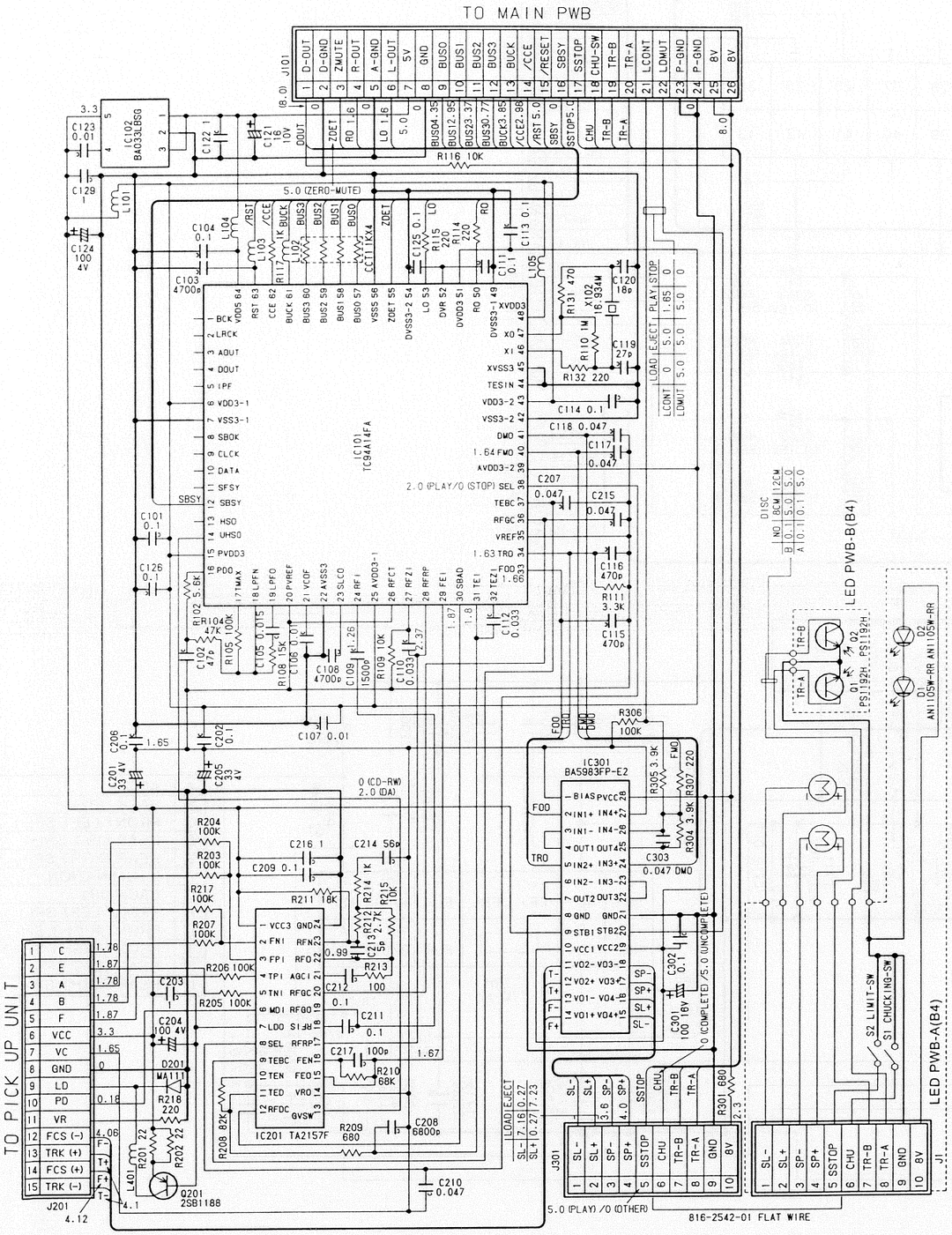




A	ACC
B	BACK UP2
C	FRONT LEFT SP(+)
D	REAR LEFT SP(+)
E	REAR RIGHT SP(+)
F	ILLUMINATION
G	BACK UP1
H	FRONT LEFT SP(-)
I	FRONT RIGHT SP(-)
J	FRONT RIGHT SP(+)
K	REAR LEFT SP(-)
L	REAR RIGHT SP(-)

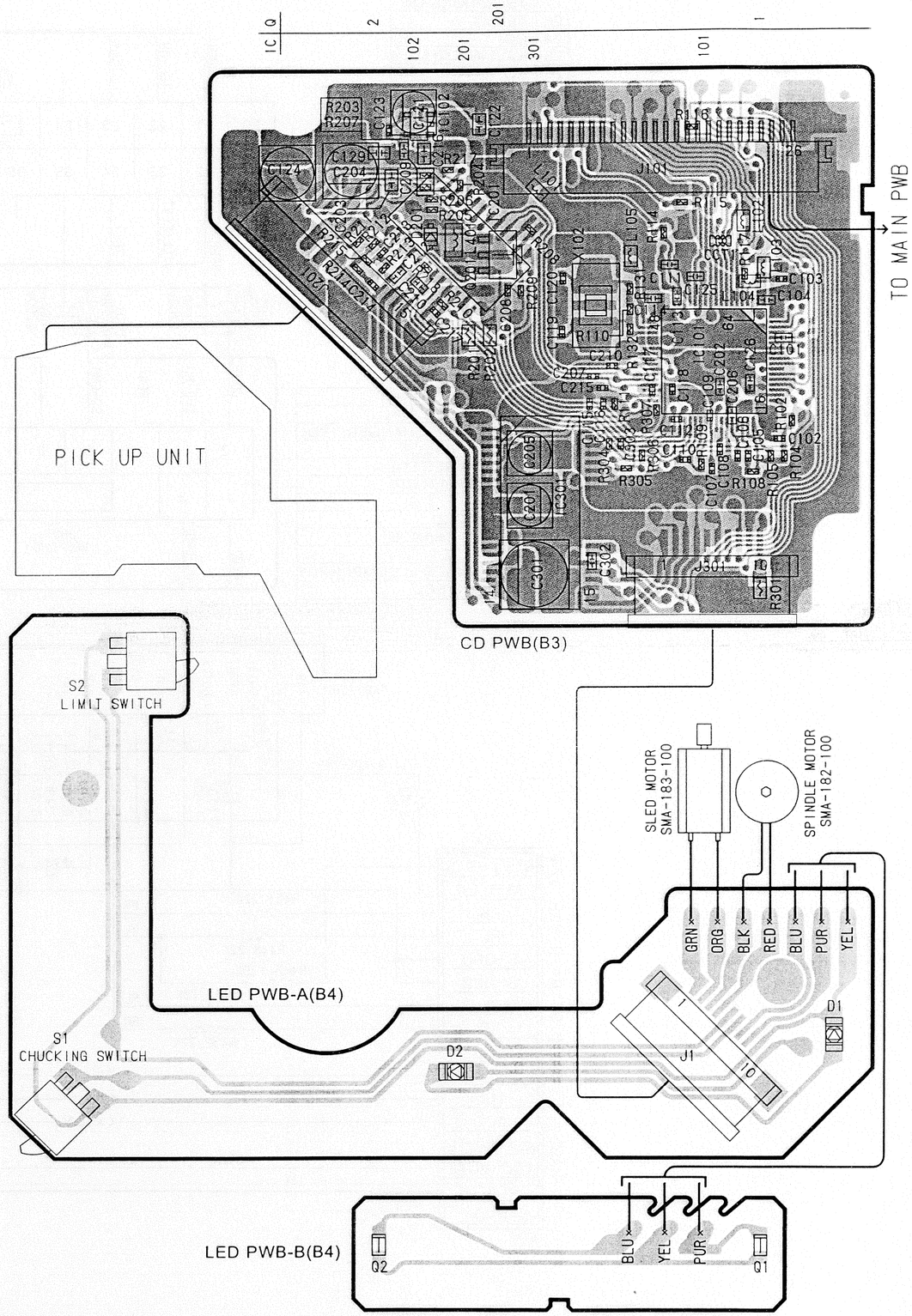
■ CIRCUIT DIAGRAM

CD PWB(B3)/LED PWB(B4) section



■ PRINTED WIRING BOARD

CD PWB(B3)/LED PWB(B4) section



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